!!SEQUENCE_LIST 1.0 ! FINDPATTERNS on EST:* allowing 0 mismatches

1 CGGGCCAGTGAGGGTATTTATCACTGGTTGGCCN{}AAGGCCTCTAGTTTAGCCAGTN{}CAACAATATAGTAATTF

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Selected sequence key from "spector091n.key":
19_21_23 (NA) ID 19_21_23 NA preliminary
1 followed by
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a82336; TOIG of: a82336
(from "19_21_23ge.seq")
TOIG of: a82336 check:
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                                       BASE COUNT
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AUTHORS
A82336 Leng
Found using
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1 (bases 1 to 786)

Nielsen, B.B. and Thoegersen, H.C.

TRIMERISING MODULE

Patent: WO 9856906-A 20 17-DEC-1998;

NIELSEN BETTINA BRYDE (DK); THOEGERSEN

Location/Qualifiers
                                                                                                                                                                                                                                                                              A82336
                                                                                                                                                                                   unidentified unclassified
                                                                                                                                                                                                                                                     Sequence 20 from Patent WO9856906 A82336
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September 10, 2001
23' (spector091n.key)
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Indirect file
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Length: 73
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A.M., Zhu, Z., Yuan, J.Q., Goddard, A., Adams, C.W., G. and Carter, P.

G. and Carter, P.

ent route to human bispecific IgG echnol. 16 (7), 677-681 (1998)
                                                                                                                                                                                                                                                                                                        n San Francisco, CA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                         (17-FEB-1998) Molecular Oncology, Genentech Inc,
september 10, 200
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320 AACGT	CTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGCAACTTATT C. 23		140 TGATCTATAAGGCCTCTAGTTTAGCCAGTGGGCCCCCATCAAGGTTCAGCGGCAGTGGAT	AGGGTATTTATCACTGGTTGGCCTGGTATCAGCAGAAGCCCAGGGAAAGCCCCCTAAACTCC	20 CTCCTTCCACCCTGTCTGCATCTATTGGAGACAGAGTCACCATCACCTGCCGGGCCAGTG 70	Grand Grand	AR036444 Length: 324 September 10, 2001 07:28 Type: N Check: 449 Found using '19_21_23' (spector091n.key)	Т 80 а	REFERENCE 1 (bases 1 to 324) AUTHORS Osbourne, J. Katharine, Allen, D. Julie and McCafferty, J. Gerald. TITLE Specific binding members, materials and methods JOURNAL Patent: US 5872215-A 29 16-FEB-1999; FEATURES Location/Qualifiers Source 1324	Unknown.	LOCUS AR036444 324 bp DNA PAT 29-SEP-1999 DEFINITION Sequence 29 from patent US 5872215. ACCESSION AR036444 VERSION AR036444.1 GI:5953112	I match found in sequence: ar036444 ; TOIG of: ar036444 check: 449 from: 1 to: 324 (from "19_21_23ge.seq") TOIG of: ar036444 check: 449 from: 1 to: 324	31 AA	71	611 CTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGCAACTTATT	551 TGATCTATAAGGCCTCTAGTTTAGCCAGTGGGGCCCCCATCAAGGTTCAGCGGCAGTGGAT	491 AGGGTATTTATCACTGGTTGGCCTGGTATCAGCAGAAGCCAGGGAAAGCCCCCTAAACTCC	431 CTCCTTCCACCCTGTCTGCATCTATTGGAGACAGAGTCACCATCACCTGCCGGGCCAGTG $\sim 0^{-1}$
611 CTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGCAACTTATT .	551 TGATCTATAAGGCCTCTAGTTTAGCCAGTGGGGCCCCCATCAAGGTTCAGCGGCAGTGGAT	491 AGGGTATTTATCACTGGTTGGCCTGGTATCAGCAGAAGCCAGGGAAAGCCCCTAAACTCC	431 CTCCTTCCACCCTGTCTGCATCTATTGGAGACAGAGTCACCATCACCTGCCGGGCCAGTG 481		HSA225093 Length: 807 September 10, 2001 07:28 Type: N Check: 1183 Found using '19_21_23' (spector091n.key)	22 c 225	777 "777	/produisc_feature 367/note=	/db_xref="GI:3090428" /translation="MAQVQLQESGPGLVKPSETLSLTCTVSGGSISSYHWSWIRQPPG /translation="MAQVQLQESGPGLVKPSETLSLTCTVSGGSISSYHWSWIRQPPG KGLEWIGYIYYSGSTNYNPSLKNRVTISVDTSKNQFSLNLRSVTAADTAVYYCARGTY GPAGDAFDIWGQGTTVTVSSGGGGSGGGGSGGGGSDIQMTQSPSTLSASIGDRVTITC RASEGIYHWLAWYQQKPGKAPKLLIYKASSLASGAPSRFSGSGSGTDFTLTISSLQPD DFATYYCQQYSNYPLTFGGGTKLEIKRAAAEQKLISEEDLNGAAHHHHHH" 7366	/codon_start=1 /product="immunoglobulin" /protein_id="CAA12399.1"	/organism="Homo sapiens" /db_xref="taxon:9606" /rearranged 1. 807 /note="scfv2"	ion/Qualifiers	to 807) ., Jones,P. and Winter,G. of an antibody fragment a	AUTHORS Martineau, P. TITLE Direct Submission JOURNAL Submitted (23-MAR-1998) Martineau P., Biotechnology, Institut Pasteur, 25 rue du Dr. Roux, 75015, PARIS		ION AJ225093 N AJ225093.1 GI:3090427 DS heavy chain; immunoglobulin; light chain; variable region.	LOCUS HSA225093 check: 1183 from: 1 to: 807 LOCUS HSA225093 807 bp mRNA PRI 24-APR-1998 DEFINITION Homo sanions mRNA for single-chain antibody, complete cds (screv2)	1 match found in sequence: hsa225093; TOIG of: hsa225093 check: 1183 from: 1 to: 807

428 CT 488 AG 548 TG	HSSCFVQ10 Found usi	COU	gene	AUTHORS TITLE JOURNAL MEDLINE REFERENCE AUTHORS TITLE JOURNAL FEATURES SOUT	LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM	1 match fou hsscfvq10 (from "19	731 AA	671 AC
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Number of sequences searched:
Number of sequence hits:
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Number of sequence hits saved:
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Format Options:
Nucleic acid code matching
Find non-matching hits onl
Report key used
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Display full annotations
Sequence context
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19_21_23 (NA) ID 19_21_23 NA preliminary
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                COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Ver:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/652,816A

FILING DATE: 23-MAY-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9125579.4

FILING DATE: 02-DEC-1991

PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Allen, DJ
APPLICANT: McCafferty, JG
APPLICANT: McCafferty, JG
TITLE OF INVENTION: Specific b
TITLE OF INVENTION: methods.
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole,
STREET: 6300 Sears Tower, 233
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List of hits
Hit display
Name and annotations
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: GB 9206318.9
FILING DATE: 24-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9206372.6
FILING DATE: 23-SEP-1992
PRIOR APPLICATION NUMBER: GB 9525004.9
FILING DATE: 07-DEC-1995
PRIOR APPLICATION NUMBER: GB 9610824.6
FILING DATE: 23-MAY-1996
PRIOR APPLICATION NUMBER: GB 9610824.6
FILING DATE: 23-MAY-1996
PRIOR APPLICATION NUMBER: PCT/GB92/02240
FILING DATE: 02-DEC-1992
PRIOR APPLICATION NUMBER: US 08/244,597
FILING DATE: 01-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: David w Clouch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 324 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: (PRIOR APPLICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: David W. Clough
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 28
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TOPOLOGY: li
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291
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Selected scope is Sequence key
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Nucleic acid code matching
Find non-matching hits onl
Report key used
Note position of hit
Display full annotations
Sequence context
. match found in sequence:
aat72135 ; CEA-specific antibody CEA6
  (from "19_21_23ngs.seq")
TOIG of: aat72135 check: 449 from:
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07-DEC-1995;
23-MAY-1996;
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                                                                           12-JUN-1997.
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                                                                                                                               tumour marker; adenocarcinoma;
                                                                                                                                      Carcinoembryonic antigen; C tumour marker; lung cancer;
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                       96GB-0021295.
95GB-0025004.
96GB-0010824.
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19_21_23 NA prelim:
                                                          96WO-GB03043
                                                                                                                              diagnosis; ss.
      ANTIBODY TECHNOLOGY.
                                                                                                                                                                                                                   DNA;
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21
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1 match found in sequence aax05452; CEA6 antil (from "19_21_23ngs.: TOIG of: aax05452
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sequences w
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     universal phage display library. A claimed specific binding member (A) comprises an hCEA specific antibody antigen binding domain that has a dissociation constant for hCEA of less than 1 x 10 -8 M, is non-cross-reactive with human liver cells, and preferentially binds to the A3-B3 extracellular domain of hCEA and/or to cell-associated hCEA over hCEA over soluble hCEA.

Preferred (A) include pairings of VH and VL sequences from CEA1-7, or their CDR sequences, as well as CEA6 VH and VL variants. (A) is used to detect cells expressing hCEA, in vivo or in vitro, especially tumour cells for diagnosing cancer, e.g. adenocarcinoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 199
P-PSDB;
Trimeric polype
                             CEA6 antibody
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                                                                                                                      AAX05452 stand
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                                                                                          AAX05452;
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                             single-chain Fv (scFv) fragment encoding DNA.
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23 ′
eptide;
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                                                                                                                                                   check: 9527
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tetranectin trimerising structural element;
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AAX05452
Found usi
                                                                                                                                                                                 CC element (TTSE) which is covalently linked to at least one heterologous CC moiety, the TTSE being capable of forming a stable complex with 2 other CTSEs, with the proviso that the heterologous moiety is different from CC any of the fusion proteins CIIH6FXTN123, H6FXTN123, H6FXTN123, H6FXTN123 (AAW94264). The TTSE can be used for the construction of CC conjugates with heterologous moieties such as a ligand binding CT structure, a toxin, a detectable label, an in situ activatable substance, a nenzyme, a radioactive moiety, a cytokine, a non-proteinaceous polymer, a monomer polypeptide construct to a target. They can be used as vehicles for assembling antibody fragments into oligomeric or multivalent constructs can be used for targeted gene therapy involving selective delivery of the material for transfection or infection of the specific population of cells. They can also be used for prevention or treating antibody to a tumour. They can also be used for prevention or treating a clisease or for diagnosis. The TTSE provides a stable structure which can captable structure which can captable structure which can antibody to a vehicle for a wide variety of conjugates. The present sequence construction of the sequence encoding a CEA6 antibody single-chain captable scFv antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 comprise a linked to a
                                                                                                                                                                              Sequence
                                                                                                                                    using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        polypeptide structural elements derived from the tetranectin protein family. The trimeric polypeptides using construct comprise at least one tetranectin trimerising structural element (Three trimeric polypeptides).
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(GRAV/)
(HOLT/)
(KAST/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New monomer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unidentified
AGGGTATTTATCACTGGTTGGCCTGGTATCAGCAGAAGCCAGGGAAAGCCCCTAAACTCC
                                           CTCCTTCCACCCTGTCTGCATCTATTGGAGACAGAGTCACCATCACCTGCCGGGCCAGTG
                                                                                                                                     Length:
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t least one heterologous
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Nielsen BB, Th
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(spector091n.key)
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structural element covalently
s moiety for providing functional
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ne therapy;
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and

homomultimers.

The Abs can be used in

immunoassays

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1 match found :
aax17989 ; Ant
(from "19_21_
TOIG of: aax
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a new method for polypeptide (PP) a
comprises a multing
to interact with a
                    and Ab-immunoadhe formation of the
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                                                                          (b) recovering
heteromultimeri
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02-MAY-1997;
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diagnosis; cancer;
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a light ch
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quence represents the coding sequence of the anti-HER3 scFv clone H6. The sequence encoding the chain is generated by thou for preparing a multispecific Ab comprising a first tide (PP) and at least 1 extra PP, where: (i) the first PP as a multimerisation domain (MD) forming an interface positioned ract with an interface of a MD of the extra PP; and (ii) the first ra PPs each have a binding domain, which comprises a heavy chain ight chain, where the variable light chains of the first and extra Prise a common sequence. The method comprises: (a) culturing a comprising nucleic acid encoding the first PP and extra PP, and lable light chain, such that the nucleic acid is expressed; and overing the multispecific Ab from the culture. The method prepares altimeric PPs, such as bispecific Abs, bispecific immunoadhesins chimeras. The method allows for the enhanced on of the desired heteromultimer relative to the undesired
                                                                                                                                                                                                                                                                                                                                                                                                                                                       4.
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Number Number Number Number	Times:		731	671	611	551	491	431	:	AAX17 Found	SQ	888
aber of sequences searched: aber of sequence hits: aber of separate matches: aber of sequence hits saved:	CPU Total Elapsed 00:00:00:00.00 00:00:00.00	Search Statistics	AA	ACTGCCAACAATATAGTAATTATCCGCTCACTTTCGGCGGAGGGACCAAGCTGGAGATCA	CTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGCAACTTATT	TGATCTATAAGGCCTCTAGTTTAGCCAGTGGGGCCCCCATCAAGGTTCAGCGGCAGTGGAT	AGGGTATTTATCACTGGTTGGCCTGGTATCAGCAGAAGCCCAGGGAAAGCCCCTAAACTCC			AAX17989 Length: 732 September 10, 2001 07:31 Type: N Check: Found using '19_21_23' (spector091n.key)	Sequence 732 BP; 169 A; 180 C; 220 G; 163 T; 0 other;	and for the in vitro or in vivo diagnosis of various diseases, cancer.
				NTCA	ATT	GAT	TCC	GTG		8479		es, such as

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Quest -
Release
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Selected sequence key from "spector091n.key":
19_21_23 (NA) ID 19_21_23 NA preliminary pattern
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                                                                                                                                                                                                                                                                                                                                                                                          (from "/srch/pna/US086_COMB.seq")
Sequence 29, Application US/08652816
Sequence 29, Application US/08652816
GENERAL INFORMATION:
        COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Vel
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/652,816
FILING DATE: 23-MAY-1996
PRIOR APPLICATION NUMBER: GB 9125579.4
FILING DATE: 02-DEC-1991
PRIOR APPLICATION NUMBER: GB 9125579.8
ETITING DATE: 03-DEC-1991
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CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole,

ADDRESSEE: Marshall, O'Toole,

233
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                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Specific TITLE OF INVENTION: methods.
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                                                                                                                                                                                                                 COUNTRY:
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 FILING DATE:
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                                                                                                                                                                                                                 United States of America
                                                                                                                                                                                                                                                                                                                                                       McCafferty, JG
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Sequence or
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                                                                                                                                                                                                                             1 match found in sequence US-08-652-816-54;
                                                                                                                                                                        US-08-652-816-54; Sequence 54, Application US/08652816 (from "/srch/pna/US086_COMB.seq") Sequence 54, Application US/08652816 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Found using
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ATTORNEY/AGENT |
NAME: David |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: David W. Clough
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMTTELECOMMUNICATION
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APPLICATION NUMBER: GB 9206318.9
FILING DATE: 24-MAR-1992
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PRIOR APPLICATION
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APPLICATION NUMBER:
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                                                             NUMBER OF SEQUENCES: 5.
                                                                                             TITLE OF INVENTION:
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               STREET:
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                                  : Marshall, O'Toole, Gerstein, Murray & Borun 6300 Sears Tower, 233 South Wacker Drive
                                              Osbourn, JK
Allen, DJ
ACCafferty, JG
McCafferty, JG
VENTION: Specific binding members, materials and
VENTION: methods.
  S.
                                                                                                                                                                                                                                             uence:
                                                                                                                                                                                                                                                                                                                                                                                                           TCACTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGCAACTTATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACTGGTTGGCCTGGTATCAGCAGAAGCCAGGGAAAGCCCCTAAACTCC
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)2-DEC-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23-MAY-1996
                                                                                                                                                                                                                                                                                                                                              ATAGTAATTATCCGCTCACTTTCGGCGGAGGGACCAAGCTGGAGATCA
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1 match found in sequence:
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TELEPHONE: 312-474-6300
INFORMATION FOR SEQ ID NO: 54:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: United COMPUTER READABLE MEDIUM TYPE: Fl. COMPUTER: IBM PO
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MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0,

CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 324 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
                                                                          ACTGCCAACAATATAGTAATTATCCGCTCACTTTCGGCGGAGGGACCAAGCTGGAGATCA
                                      AACGT
                                                                                                                             CTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGCAACTTATT
                                                                                                                                                                                                                                                                                       CTCCTTCCTCTCTGCCATCTATTGGAGACAGAGTCACCATCACCTGCCGGGCCAGTG
                                                                                                                                                                                  TGATCTATAAGGCCTCTAGTTTAGCCAGTGGGGCCCCATCAAGGTTCAGCGGCAGTGGAT
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,21_23′
                                                                                                                                                                                                                                                                                                                                                        (spector091n.key)
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 732 base ~~ 1
           1 match found in sequence:
US-09-092-520-29; Sequence 29, Application US/09092520
  (from "/srch/pna/US090_COMB.seq")
  Sequence 29, Application US/09092520
  GENERAL INFORMATION:
                                                                                                                                                      731
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/070,416
FILING DATE: 30-Apr-1998
CLASSIFICATION: 424
ATTORNEY/ACENIM TATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: CARTER, P.J.
APPLICANT: MERCHANT, A.M.
APPLICANT: PRESTA, L.G.
TITLE OF INVENTION: METHOD
TITLE OF INVENTION: HAVING
NUMBER OF SEQUENCES: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMAT NAME: Conley, Deirdr REGISTRATION NUMBER: REFERENCE/DOCKET NUMB TELECOMMUNICATION INFOR
 APPLICANT:
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ZIP: 94080
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STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
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Osbourn,
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 Jane K
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REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 2811
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 324 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
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FILING DATE: 11-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9610824.6
FILING DATE: 23-MAY-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/652,816
FILING DATE: 23-MAY-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9525004.9
FILING DATE: 07-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: DAVID WINDER: 36 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/GB96/03043
FILING DATE: 09-DEC-1996
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 432
CLASSIFICATION: 1/02, G01N 33/58,
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Allen, Deborah J
APPLICANT: McCaferty, John
TITLE OF INVENTION: Specific binding
TITLE OF INVENTION: carcinoembryonic
NUMBER OF SEQUENCES: 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
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CITY: (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/09/092,520 FILING DATE: 05-JUN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
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                ACTGCCAACAATATAGTAATTATCCGCTCACTTTCGGCGGAGGGACCAAGCTGGAGATCA
                                                                                                  CTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCTGATGATTTTGCAACTTATT
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CURRENT APPLICATION NUMBER: US/
CURRENT FILING DATE: 2000-07-1
PRIOR APPLICATION NUMBER: PCT/D
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: DK 06
PRIOR FILING DATE: 1997-06-11
NUMBER OF SEQ ID NOS: 60
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 20
Number
Number
Number
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Sequence 20, Application US/09445576
Sequence 20, Application US/09445576
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Found using
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TITLE OF INVENTION: Trimeris
FILE REFERENCE: THOGERSEN =1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
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 of of
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                                          searched:
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1998-06-11
IUMBER: DK 0685/97
               tches:
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12:33:55.14
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  ts saved:
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Ingrid Kjoller
Trimerising module
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2000-07-17
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Jette Sandholm
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Selected sequence key from "spector091p.key":
20_22_24 (AA) ID 20_22_24 AA preliminary pattern followed by
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Nucleic acid code matching find non-matching hits on Report key used
Note position of hit Display full annotations
Sequence context
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Selected files:
                                                                                                              match found in sequence:
aaw19885; CEA-specific antibody
(from "20_22_24ags.pep")
TOIG of: aaw19885 check: 8329
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                                                                                                                                                       Carcinoembryonic antigen; CEA; human; antibody; stumour marker; lung cancer; breast cancer; colon adenocarcinoma; diagnosis.
                                                                                                                                                                                                CEA-specific antibody CEA6,
                                                                                                                                                                                                                    07-DEC-1997
                                                                                                                                                                                                                                          AAW19885;
                                                                                                                Key
                                                                                                                                                                                                                                                               AAW19885 standard; Protein;
                                                                                                    Region
WO9720932-A1
                                       Region
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                    determining
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1 match found in seque
aaw78434; Antibody J
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TOIG of: aaw78434
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07-DEC-1995;
23-MAY-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               tumour colon,
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                                                                   AAW78434;
                                                                                           AAW78434 standa
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              Antibody light
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131
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Fig
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95GB-0025004.
96GB-0010824.
              chain targeted to HER3 clone 18.
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light chain targeted to HER3 clone
pep")
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                                                                                             rd; Protein;
                                                                                                                        check: 6033
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(spector091p.key)
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1 match for aaw94267 (from "2
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                                                                 TOIG of:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         that binds to the HER3 clone 18 protein. The sequence encoding the chain is generated by a new method for preparing a multispecific Ab comprising comprises a multimerisation domain (MD) forming an interface positioned to interact with an interface of a MD of the extra PP; and (ii) the first PP cand extra PPs each have a binding domain, which comprises a heavy chain cand a light chain, where the variable light chains of the first and extra PPs comprise a common sequence. The method comprises: (a) culturing a comprise a common sequence. The method comprises: (a) culturing a comprise a comprise a cid encoding the first PP and extra PP, and constraints the variable light chain, such that the nucleic acid is expressed; and continuation of the multispecific Ab from the culture. The method prepares can Ab-immunoadhesin chimeras. The method allows for the enhanced formation of the desired heteromultimer relative to the undesired heteromultimers and homomultimers. The Abs can be used in immunoassays such as
AAW94267;
                               AAW94267 standard;
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02-MAY-1997;
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                                                               found in sequence:
7 ; H6FXscFv(CEA6)tripB fusion protein sequence
"20_22_24ags.pep")
6: aaw94267 check: 9129 from: 1 to: 364
                                                                                                                                                                                   YPLTFGGGTKLEIK
                                                                                                                                                                                                                                                                                                                        CQEZGHSQILKMFPSTWYVSQOTHERSDIQMTQSPSTLSASIGDRVTITCRASEGIYHWL
                                                                                                                                                                                                                                                      AWYQQKPGKAPKLLIYKASSLASGAPSRFSGSGSGTDFTLTISSLQPDDFATYYCQQYSN
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s; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Fig 5; 69pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               107 AA;
                                                                                                                                                                                                                                                                                                                                                                                                          141 September 10, 200
2_24' (spector091p.key)
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97US-0850058
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                              protein;
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                               330 AA
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PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      conjugates with heterologous moieties such as a ligand binding structure, a toxin, a detectable label, an in situ activatable substance, an enzyme, a radioactive moiety, a cytokine, a non-proteinaceous polymer, a photo cross-linking agent, or a group facilitating conjugation of the monomer polypeptide construct to a target. They can be used as vehicles for assembling antibody fragments into oligomeric or multivalent entities for generating chimeric artificial antibodical antibodica
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       element (TTSE) which is covalently linked to at least one heterologous moiety, the TTSE being capable of forming a stable complex with 2 other TTSEs, with the proviso that the heterologous moiety is different from any of the fusion proteins CIIH6FXTN123, H6FXTN123, H6FXTN12, H6FXTN23 (AAW94261 to AAW94264). The TTSE can be used for the construction of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             polypeptide structural family. The trimeric po
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(GRAV/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       construct
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     match found in sequence:
aaw94268; H6FXtripBscFv(CEA6) fusion
(from "20_22_24ags.pep")
TOIG of: aaw94268 check: 8042 from
                                                                                                                                                                                                                                                                                                                                                                          (ETZE/)
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Larsen IK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAW94268 standard;
The invention relates to the design of trimeric polypeptides using polypeptide structural elements derived from the tetranectin protein family. The trimeric polypeptides constructed as a monomer polypeptide construct comprise at least one tetranectin trimerising structural element (TTSE) which is covalently linked to at least one heterologous moiety, the TTSE being capable of forming a stable complex with 2 other TTSEs, with the proviso that the heterologous moiety is different from any of the fusion proteins CIIH6FXTN123, H6FXTN123, H6FXTN123 (AAW94261 to AAW94264). The TTSE can be used for the construction of conjugates with heterologous moieties such as a ligand binding structure, a toxin, a detectable label, an in situ activatable substance, an enzyme, a radioactive moiety, a cytokine, a non-proteinaceous polymer, a photo cross-linking agent, or a group facilitating conjugation of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Trimeric
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                                                                                                                                                                                                                                             New monomer polypeptide constructs for diagnosis and therapy comprise a tetranectin trimerising structural element covalently linked to at least one heterologous moiety for providing functional
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(spector091p.key)
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                                                                                                                                                                                                                      Kastrup JS;
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Found using
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
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RQAPGQGLEWMGSIIPSFGTANYAQKFQGRLTITADESTSTAYMELSSLRSEDTAVYYCA
                                                                                                                                                                           SRLDTLAQEVALLKEQQALQTGSQVQLQQSGAEVKKPGSSVKVSCKASGGTFSNSPINWL
                                                                                                                                                                                                                                                                                                                          YPLTFGGGTKLEIKRAAAEQKLISEEDLNGAGTEPPTQKPKKIVNAKKDVVNTKMFEELK
285
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VWGQGTMVTVSSGGGGSGGGGSGGGSDIQMTQSPSTLSASIGDRVTITCRASEGIYHWL
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212
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462	GRSHNYELYYYMDVWGQGTMVTVSSGGGGSGGGGGGGGGGDIQMTQSPSTLSASIGDRV
522	
5 82	
1 match aay067; (from	ch found in sequence:)6714 ; Antibody 5E5 single chain Fv (scFv) fragment. com "20_22_24ags.pep") [G of: aay06714 check: 1114 from: 1 to: 279
XX	AAY06714 standard; Protein; 245 AA.
D X	<u> </u>
Z D X	Antibody 5E5 single chain Fv (scFv) fragment.
X	Agonist antibody; thrombopoietin receptor; TPO-R; thrombopoietin; DIC; megakaryocyte; platelet; immunological; hematopoietic; thrombocytopenia bone marrow hypoplasia; disseminated intravascular coagulation; anemia; myelodysplasia; myelotoxic chemotherapy; leukaemia; tumour;, MuSK; CDR; neuromuscular; muscular dystrophy; complementarity determining region.
8 O X	Homo sapiens.
Y P X	WO9910494-A2.
Y P A	04-MAR-1999.
PF	21-AUG-1998; 98WO-US17364.
Y P A	25-AUG-1997; 97US-0918148.
YY A	(GETH) GENENTECH INC.
Y P A	Adams CW, Carter PJ, Fendly BM, Gurney AL;
X D A	WPI; 1999-204666/17.
YP P	New thrombopoietin receptor agonist antibodies - useful for treating immunological or hematological disorders
S. S.	Disclosure; Fig 1; 86pp; English.
	ention relates to an agonist antibody (Ab) poietin receptor (TPO-R). The antibodies wh
388	PO). They can stimulate pr gakaryocytes. They may als
66	e platelet production. They can be used for ogical or hematopoietic disorders, especial
000	openia -associated bo
88	reated with the antibody compounds as well as disorcisseminated intravascular coagulation (DIC), immune
666	V-induced and non HIV-induced), chronic idiopath genital thrombocytopenia, thrombotic thrombocyto
888	elodysplasia. They can also be used in e.g. myelotoxic eatment of solid tumours or leukaemia, myeloablative cl
C	bone marrow transplant, my

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143
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aay06715; Antib
(from "20_22_24
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         idiopathic aplastic anemia, congenital thrombocytopenia, and immune thrombocytopenia. The antibodies which bind to the MuSK receptor can be used for improving neuromuscular function in a patient, e.g. in muscular dystrophy. The products can also be used for detection and diagnosis. The antibodies have a longer half-life than the natural ligand for the TPO-R. Sequences AAY06713-Y06718 represent single chain Fv (scFv) fragments of various antibodies.
       thrombopoietin receptor (TPO-R). The antibe used in the same way and for the same (TPO). They can stimulate proliferation, megakaryocytes. They may also be able to
                                                                                                         The invention relates to
                                                                                                                                                                                                                                          New
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       megakaryocyte; platelet; immunological; hematopoietic; thrombocytopeni bone marrow hypoplasia; disseminated intravascular coagulation; anemia myelodysplasia; myelotoxic chemotherapy; leukaemia; tumour;, MuSK; CDR neuromuscular; muscular dystrophy; complementarity determining region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Agonist antibody;
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                                                                                                                                                               Disclosure;
                                                                                                                                                                                                             treating immunological
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715; Antibody 10D10 s:
n "20_22_24ags.pep")
of: aay06715 check: !
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266
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(spector091p.key)
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MuSK; CDP
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thrombocytopenia. The
used for improving ne
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  increase platelet production. They can be used for treating immunological or hematopoietic disorders, especially thrombocytopenia. Thrombocytopenia -associated bone marrow hypoplasia (e.g. aplastic anemi following chemotherapy or bone marrow transplant) may be effectively treated with the antibody compounds as well as disorders such as disseminated intravascular coagulation (DIC), immune thrombocytopenia (HIV-induced and non HIV-induced), chronic idiopathic thrombocytopenia, congenital thrombocytopenia, thrombotic thrombocytopenia and myelodysplasia. They can also be used in e.g. myelotoxic chemotherapy for treatment of solid tumours or leukaemia, myeloablative chemotherapy for autologous or allogeneic bone marrow transplant, myelodysplasia, and immune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 idiopathic aplastic anemia, congenital thrombocytopenia, and immune thrombocytopenia. The antibodies which bind to the MuSK receptor can be used for improving neuromuscular function in a patient, e.g. in muscular dystrophy. The products can also be used for detection and diagnosis. The antibodies have a longer half-life than the natural ligand for the TPO-R. Sequences AAY06713-Y06718 represent single chain Fv (scFv) fragments of
                                                                                                                                                                                                                                                                     megakaryocyte; platelet; immunological; hematopoietic; thrombocytopenia; bone marrow hypoplasia; disseminated intravascular coagulation; anemia; myelodysplasia; myelotoxic chemotherapy; leukaemia; tumour;, MuSK; CDR; neuromuscular; muscular dystrophy; complementarity determining region.
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                               Carter PJ,
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                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                           single chain Fv (scFv) fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .pep")
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                                                                                                   97US-0918148.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              rd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             lence:
12B5 single
                                                                                                                                   98WO-US17364.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 6812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  September 10, 2001 07:32
(spector091p.key)
                                                                                                                                                                                                                                                                                                                                         thrombopoietin receptor; TPO-R; thrombopoietin; DIC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Protein;
                                 Fendly BM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               chain Fv (scFv) fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             244 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              from: 1
                               Gurney AL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Check: 884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ptor .... in muscular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           anemia
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142
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THE XXX
                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
aay06717; Antibody 12B5
(from "20_22_24ags.pep")
TOIG of: aay06717 check
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY06716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to an agonist antibody (Ab) which binds to a thrombopoietin receptor (TPO-R). The antibodies which bind the TPO-R can be used in the same way and for the same indications as thrombopoietin (TPO). They can stimulate proliferation, differentiation or growth of megakaryocytes. They may also be able to stimulate megakaryocytes to increase platelet production. They can be used for treating immunological or hematopoietic disorders, especially thrombocytopenia. Thrombocytopenia -associated bone marrow hypoplasia (e.g. aplastic anemia C following chemotherapy or bone marrow transplant) may be effectively treated with the antibody compounds as well as disorders such as C disseminated intravascular coagulation (DIC), immune thrombocytopenia (HIV-induced and non HIV-induced), chronic idiopathic thrombocytopenia, congenital thrombocytopenia, thrombocytopenia and myelodysplasia. They can also be used in e.g. myelotoxic chemotherapy for indiopathic anlastic anemia. congenital thrombocytopenia, and immune indiopathic anlastic anemia.
                                                                             Agonist autivor, megakaryocyte; platelet; immunological; nemacoporte; platelet; immunological; nemacoporte; platelet; immunological; nemacoporte; bone marrow hypoplasia; disseminated intravascular coagulation; bone marrow hypoplasia; myelotoxic chemotherapy; leukaemia; tumour;, Musmyelodysplasia; myelotoxic chemotherapy; leukaemia; tumour;, Musmyelodysplasia; myelotoxic chemotherapy; complementarity determining r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                autologous or allogeneic bone marrow transplant, myelodysplasia, idiopathic aplastic anemia, congenital thrombocytopenia, and immune thrombocytopenia. The antibodies which bind to the Musk receptor can be used for improving neuromuscular function in a patient, e.g. in muscular dystrophy. The products can also be used for detection and diagnosis. The antibodies have a longer half-life than the natural ligand for the TPO-R. Sequences AAY06713-Y06718 represent single chain Fv (scFv) fragments of various antibodies.
                                                          Homo
                                                                                                                                                                                Agonist antibody; thrombopoietin receptor; TPO-R;
                                                                                                                                                                                                                                                                 17-JUN-1999
                                                                                                                                                                                                                       Antibody 12B5 single chain
                                                                                                                                                                                                                                                                                                         AAY06717;
                                                                                                                                                                                                                                                                                                                                             AAY06717 standard; Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          treating
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              YPLTFGGGTELEIKRAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AWYQQKPGKAPKLLIYKASSLASGAPSRFSGSGSGTDFTLTISSLQPDDFATYYCQQYSN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IWGQGTMVTVSSGGGGTGGGGSGGGGSDIQMTQSPSTLSASIGDRVTITCRASEGIYHWL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length: 278
                                                         sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          immunological
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               244 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fig 1;
                                                                                                                                                                                                                                                              (first
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(spector091p.key)
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lcal or hematological disorders
                                                                                                                                                                                                                                                               entry)
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                                                                                                                                                          immunological; hematopoietic; thrombocytopenia;
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                                                                                                                                                                            thrombopoietin;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Check: 6812
                                                                                                                on; anemia;
MuSK; CDR;
                                                                                                region.
                                                                                                                                                                              DIC;
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Misc-difference

Location/Qualifiers 208

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1 match found in sequence aay96062; Human ant
   (from "20_22_24ags.]
TOIG of: aay96062
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                                                                                                                                               263
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                                                                                                                                                                                                                                                                                                                                                                                                           Found using
                                                                                                                                                                                                                                                                                                                                                                             AAY06717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        dystrophy. antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention receptor (TPO-R). The antibodies which pind the same way and for the same indications as thrombopoietin (TPO). They can stimulate proliferation, differentiation or growth of megakaryocytes. They may also be able to stimulate megakaryocytes to increase platelet production. They can be used for treating immunological or hematopoietic disorders, especially thrombocytopenia. Thrombocytopenia -associated bone marrow hypoplasia (e.g. aplastic anem following chemotherapy or bone marrow transplant) may be effectively treated with the antibody compounds as well as disorders such as disseminated intravascular coagulation (DIC), immune thrombocytopenia, in and and non HIV-induced), chronic idiopathic thrombocytopenia,
AAY96062 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (HIV-induced and non HIV-induced), chronic idiopathic thrombocytoper congenital thrombocytopenia, thrombotic thrombocytopenia and myelodysplasia. They can also be used in e.g. myelotoxic chemotherap treatment of solid tumours or leukaemia, myeloablative chemotherapy autologous or allogeneic bone marrow transplant, myelodysplasia, idiopathic aplastic anemia, congenital thrombocytopenia, and immune thrombocytopenia. The antibodies which bind to the MuSK receptor car
                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                           various
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            used for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New thrombopoietin receptor agonist antibodies - treating immunological or hematological disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Adams CW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO9910494-A2
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                                                                                                                            YPLTFGGGTKLE
266
                                                                                                                                                                                                                                                              VWGRGTLVTVSSGGGGGGGGGGGGGGGDIQMTQSPSTLSASIGDRVTITCRASEGIYHWL
                                                                                                                                                                                                             AWYQQKPGKAPKI
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24,
                                           uence:
ti-DAF antibody LU20 light chain
.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ving neuromuscular function in a patient, e.g. in muscular products can also be used for detection and diagnosis. The a longer half-life than the natural ligand for the TPO-R. 5713-Y06718 represent single chain Fv (scFv) fragments of
                                                                                                                                               [KRAA
                                                                                                                                                                                                             LLIYKASSLASGAPSRFSGSGSGTDFTXTISSLQPDDFATYYCQQYSN
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                               check:
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(spector091p.key)
                               6033
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107 AA.
                             from:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gurney AL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antibody (Ab) which binds to a antibodies which bind the TPO-R
                               to:
                                141
                                                                                                                                                                                                                                                                                                                                                                           Type:
                                                               variable
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for

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The present sequence is that of the light chain variable region (VL) of the anti-decay accelerating factor (DAF) human antibody LU20. The VH region is given in AAY06065. LU20 was produced using a novel method for making antibodies which can be used for cancer diagnosis or therapy. The method comprises: (a) binding an cell; (b) selecting an antibody phage or antibody which binds selectively to the live cancer cell; and (c) identifying an antigen to which the antibody phage or antibody binds. To obtain LU20, a human scFv library was used to search for tumour-associated antigens by panning the lung adenocarcinoma cell line 1264, and counter-selecting with a non-tumour bronchial epithelial cell line, BEAS-2B. The invention also describes a method for identifying an antigen which is differentially expressed on the surface of 2 or more distinct cell populations. The anti-DAF human antibody, or a composition comprising the antibody, is useful for in vivo cancer diagnosis or therapy. In particular, the antibody is useful for concerting lung cancer, e.g. small-cell lung cancer, large cell lung carcinoma, (all claimed).
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distinct
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Region
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lung a
                                                                                                                                                                                                                                                                                                                                                                               WPI;
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                                                                                                                                                                                                                                                                                        Disclosure;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-MAR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200052054-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        08-SEP-2000.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; human; antibody; VL domain; decay a e display; subtractive panning; lung adenocarcinoma; therapy; diagnosis.
                                                                                                                                                                                                                                                                                                                                                                               2000-594169/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               anti-DAF antibody LU20 light chain variable region.
                                                                                                                                                                                                                                                                                                             cell populations
107 AA;
                                                                                                                                                                                                                                                                                        Fig 5A;
                                                                                                                                                                                                                                                                                                                                                                                                      Ridgway JB;
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50. .5
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91. .9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /label= CDRILL
/note= "complementarity
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/note= "complementarity
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/note= "complementarity determining
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      note=
                                                                                                                                                                                                                                                                                       52pp; English.
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e= "hypervariable
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      residues
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AAY96062

Length:

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September

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Type:

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Check:

Sequence

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IntelliGenetics

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Selected sequence key from "spector091p.key":

20_22_24 (AA) ID 20_22_24 AA preliminary pattern
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                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
US-08-652-816A-2; Sequence 2, Application US/08652816A
Patent No. 5872215
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Nucleic acid code matching
Find non-matching hits only
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GENERAL INFORMATION:
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APPLICANT: McCafferty, JG
APPLICANT: McCafferty, JG
TITLE OF INVENTION: Specific binding members,
TITLE OF INVENTION: methods.
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
                                             SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/652,81 FILING DATE: 23-MAY-1996 PRIOR APPLICATION DATA:
                                                                                                           COUNTRY: United States of Americ
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                  Notify
          PRIOR APPLICATION DATA:
                                                                                                                                                                  STATE: I COUNTRY:
                                                                                                                                                                                            STREET:
                                                                                                                                                                                                                      ADDRESSEE:
                      APPLICATION NUMBER: GB 9: FILING DATE: 02-DEC-1991
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NUMBER:
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                                                                           US/08/652,816A
GB 9125579.8
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No
                                       9125579.4
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South Wac
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                                                                                                      Version #1.25 (EPO)
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Wacker Drive
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Yes
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NAME: David W. Clough
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 2811
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
INFORMATION FOR SEQ ID NO: 2:
SECURENCE CHARGE TO THE SECURENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in seq
US-08-652-816A-53;
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Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
Found using '20_22_24' (spectors)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (from "/srch/iaa/58_COMB.pep")
equence 53, Application US/08652816A
atent No. 5872215
GENERAL TWOODS
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APPLICATION NUMBER: US 08/
FILING DATE: 01-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: David W. Clough
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL
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PRIOR APPLICATION DATA
APPLICATION NUMBER:
FILING DATE: 23-MAY
                                                                                                                                                                                                                                    COMPUTER READABLE FOR MEDIUM TYPE: Flop COMPUTER: IBM PC OPERATING SYSTEM: SOFTWARE: PatentI CURRENT APPLICATION
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PRIOR APPLICATION NUM
APPLICATION NUM
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PRIOR APPLICATION
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TITLE OF INVENTION: Specific binding members, materials and
TITLE OF INVENTION: methods.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
   FILING DATE: 02-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 0105577 -
FILTER PAGE 1
                                                                                                                                          APPLICATION NUMBER: US/08/652,816A FILING DATE: 23-MAY-1996 PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 6300 Sears Tower, CITY: Chicago STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
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                                                                                                                                                                                                                                                                                             United States of America
EADABLE FORM:
YPE: Floppy disk
IBM PC compatible
COMPATIBLE FORM:
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Allen, DJ
McCafferty, JG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Marshall, O'Toole, Gerstein, Murray & 00 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                           STEM: PC-DOS/MS-DOS atentIn Release #1.0, VTION DATA:
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24-MAR-1992
NN DATA:
IMBER: GB 9206372.6
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02-DEC-1992
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MBER: GB 9125579.8
02-DEC-1991
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9206318.9
PRIOR APPLICATION NUMBER: APPLICATION DATA:
APPLICATION NUMBER: GB 926372.6
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 925004.9
PRIOR APPLICATION NUMBER: GB 9525004.9
PRIOR APPLICATION NUMBER: GB 9525004.9
PRIOR APPLICATION NUMBER: GB 9610824.6
PRILING DATE: 07-DEC-1995
PRIOR APPLICATION NUMBER: GB 9610824.6
PRILING DATE: 07-DEC-1995
PRIOR APPLICATION NUMBER: GB 9610824.6
PRILING DATE: 07-DEC-1995
PRIOR APPLICATION NUMBER: BCT/GB92/02240
PRIOR APPLICATION NUMBER: US 08/244.597
PRILING DATE: 01-OUN-1994
APPLICATION NUMBER: US 08/244.597
PRILING DATE: 01-OUN-1994
APPLICATION NUMBER: 36,107
APPLICATION NUMBER: 36,107
REDERENCE/DOCKET UNDERER: 36,107
REDERENCE/
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Format Options:
Nucleic acid code matching
Find non-matching hits only
Report key used
Note position of hit
Display full annotations
Sequence context
                                                         CURRENT APPLICATION NUMBER: PCT/US01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 918
LENGTH: 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
PCT-US01-19110-918; Sequence 918, Application PC/TUS0119110
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 918, Application PC/TUS0119110
GENERAL INFORMATION:
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Selected sequence key from "spector091p.key":

20_22_24 (AA) ID 20_22_24 AA preliminary pattern
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ORGANISM: Homo sapiens Found using '20_22_24' (
                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Human Genome Sciences, Inc. TITLE OF INVENTION: Antibodies that ImFILE REFERENCE: PF523PCT
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                                             TYPE: P
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sequence key from "spector091p.key";
sequence key from "spector091p.key";
24 (AA) ID 20_22_24 AA preliminary pattern
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  (spector091p.key)
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CURRENT APPLICATION NUMBER: PCT/US01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 922
LENGTH: 251
CURRENT APPLICATION NUMBER: PCT/US01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
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GENERAL I
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PCT-US01-19110-926; Sequence 926, Application PC/TUS0119110

(from "/srch/paa/PCTUS_COMB.pep")

Sequence 926, Application PC/TUS0119110

GENERAL INFORMATION:
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                                                                                                                                                                                                                                                         APPLICANT: Human Gen
TITLE OF INVENTION:
FILE REFERENCE: PF52
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equence 922, Application PC/TUS0119110
ENERAL INFORMATION:
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238
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167
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Antibodies that Immunospecifically Bind BLyS
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PRIOR APPLICATION NUMBER: 60/29
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 926
LENGTH: 249
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                                                                                                                                                                                                                                                                                                                                                             116
.match found in sequence:
PCT-US01-19110-969; Sequence 969, Application PC/TUS0119110
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 969, Application PC/TUS0119110
GENERAL INFORMATION:
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(from "/srch/paa/PCTUS_COMB.pep")
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 932, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523PCT
CURRENT APPLICATION NUMBER: PCT/US01/19110
CURRENT FILING DATE: 2001-06-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens Found using '20_22_24' (
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SOFTWARE: PatentIn Ver.
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LENGTH: 250
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OR FILING DATE: 2000-06-15
OR APPLICATION NUMBER: 60/240,816
OR FILING DATE: 2000-10-17
OR APPLICATION NUMBER: 60/276,248
OR FILING DATE: 2001-03-16
OR APPLICATION NUMBER: 60/277,379
OR FILING DATE: 2001-03-21
OR APPLICATION NUMBER: 60/293,499
OR FILING DATE: 2001-05-25
BER OF SEQ ID NOS: 3239
TWARE: Patentin Ver. 2.0
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239
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165
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166
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FILE REFERENCE: PF523PCT
CURRENT APPLICATION NUMBER: PCT/US01/19
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1008
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CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
114
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LENGTH: 247
TYPE: PRT
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PRIOR APPLICATION NUMBER: 6
PRIOR FILING DATE: 2001-03-
PRIOR APPLICATION NUMBER: 6
PRIOR FILING DATE: 2001-05-
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
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Sequence 1008, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
                                                                                                                        ORGANISM: Homo sapiens Found using '20_22_24' (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens Found using '20_22_24' (
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TITLE OF INVENTION:
PERENCE: PF52
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FILE REFERENCE: PF52
CURRENT APPLICATION
CURRENT FILING DATE:
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TYPE: PRT
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236
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VWGQGTTVTVSSGGGGGGGGGGGGGGDIQMTQSPSTLSASIGDKVTITCRASEGIYHWL
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DN: Antibodies that Immunospecifically Bind BLys
PF523PCT
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2001-06-15
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Antibodies that Immunospecifically Bind BLYS
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CURRENT APPLICATION NUMBER: PCT/US01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
NUMBER OF SEQ ID NOS: 3239
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PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
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PCT-US01-19110-1177; Sequence 1177, Application PC/TUS0119110
  (from "/srch/paa/PCTUS_COMB.pep")
  Sequence 1177, Application PC/TUS0119110
  GENERAL INFORMATION:
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PCT-US01-19110-1188; Sequence 1188, Application
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1188, Application PC/TUS0119110
GENERAL INFORMATION:
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SEQ ID NO 1177
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind
FILE REFERENCE: PF523PCT
                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Antibodies that Immunospecifically FILE REFERENCE: PF523PCT
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236
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PatentIn Ver.
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APPLICANT: Human Genome Sciences, applicant: Human Genome Sciences, that Immuritle Of Invention: Antibodies that Immuritle Reference: PF523PCT
CURRENT APPLICATION NUMBER: PCT/US01/19: CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-05-25
NITMBER OF SEQ ID NOS: 3239
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TYPE: PRT
ORGANISM: Homo sapie
Found using '20_22_24'
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                                                                                                              1 match found in sequence:
    PCT-US01-19110-1421 ; Sequence 1421, Application PC/TUS0119110
    (from "/srch/paa/PCTUS_COMB.pep")
    Sequence 1421, Application PC/TUS0119110
                                                                                                                                                                                                                                                                                               237
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SEQ ID NO 1
LENGTH: 2
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LENGTH: 249
               GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
PCT-US01-19110-1320; Sequence 1320, Application PC/TUS0119110
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1320, Application PC/TUS0119110
GENERAL INFORMATION:
CURRENT APPLICATION
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238
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240
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NUMBER: PCT/US01/19110
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bodies that Immunospecifically Bind BLyS
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APPLICANT: Human Genome Sciences, Inc.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REFERENCE: pF523PCT

CURRENT APPLICATION NUMBER: PCT/US01/19110

CURRENT FILING DATE: 2001-06-15

PRIOR APPLICATION NUMBER: 60/212,210

PRIOR FILING DATE: 2000-06-15

PRIOR APPLICATION NUMBER: 60/240,816

PRIOR APPLICATION NUMBER: 60/276,248

PRIOR APPLICATION NUMBER: 60/276,248

PRIOR APPLICATION NUMBER: 60/277,379

PRIOR APPLICATION NUMBER: 60/277,379

PRIOR APPLICATION NUMBER: 60/277,379

PRIOR APPLICATION NUMBER: 60/277,379

PRIOR APPLICATION NUMBER: 60/270,379

PRIOR FILING DATE: 2001-03-21

PRIOR APPLICATION NUMBER: 60/293,499

PRIOR FILING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 3239
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PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1421
181
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GENERAL INFORMATION:
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PCT-US01-19110-1603; Sequence 1603, Application PC/TUS0119110
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1603, Application PC/TUS0119110
                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn Ver.
SEQ ID NO 1603
LENGTH: 255
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TYPE: PRT
ORGANISM: Homo sap
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                                                                             VWGRGTLVTVSSGGGGSGGGGGGGGGGDIQMTQSPSTLSASIGDRVTITCRASEGIYHWL
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ER: 60/212,210
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CURRENT FILING DATE: PCT/US01/19110
PRIOR APPLICATION NUMBER: PCT/US01/19110
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR FILING DATE: 2000-06-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1700
                                                                                               PRIOR FILING DATE: 2001-03-16.
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentt 17
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PCT-US01-19110-1700; Sequence 1700, Application
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1700, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecif
FILE REFERENCE: PF523PCT
                                            NUMBER OF SEQ ID NO. SOFTWARE: Patentin VSEQ ID NO 1771
LENGTH: 248
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PCT-US01-19110-1771; Sequence 1771, Application
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1771, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecif
FILE REFERENCE: PF523PCT
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CURRENT APPLICATION NUMBER: PCT/US01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/276,248
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TYPE: PI
                          TYPE:
ORGANISM: Homo sap
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'20_22_24'

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1 match found in sequence:
PCT-US01-19110-1882; Sequence 1882, Application PC/TUS0119110
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1882, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523PCT
CURRENT APPLICATION NUMBER: PCT/US01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR APPLICATION NUMBER: 60/240,816
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FILE REFERENCE: PF523PCT
CURRENT APPLICATION NUMBER: PCT/US01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
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PCT-US01-19110-1778; Sequence 1778, Application PC/TUS0119110
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1778, Application PC/TUS0119110
GENERAL INFORMATION:
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164
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1778
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TITLE OF INVENTION: Antibodies that Imperite Reference: pf523pct CURRENT APPLICATION NUMBER: PCT/US01/19 CURRENT FILING DATE: 2001-06-15 PRIOR APPLICATION NUMBER: 60/212,210 PRIOR APPLICATION NUMBER: 60/240,816 PRIOR APPLICATION NUMBER: 60/276,248 PRIOR FILING DATE: 2000-10-17 PRIOR APPLICATION NUMBER: 60/276,248 PRIOR APPLICATION NUMBER: 60/277,379 PRIOR APPLICATION NUMBER: 60/277,379 PRIOR APPLICATION NUMBER: 60/277,379 PRIOR APPLICATION NUMBER: 60/293,499 PRIOR FILING DATE: 2001-05-25 NUMBER OF SEQ ID NOS: 3239
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SOFTWARE: Pater
SEQ ID NO 1882
TENGTH: 239
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PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
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                      229
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SEQ ID NO 1883
LENGTH: 243
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PCT-US01-19110-1883; Sequence 1883, Application PC/TUS0119110
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1883, Application PC/TUS0119110
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APPLICANT: Human Ge
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ORGANISM:
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YPLTEGGGTKLEIKR
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228
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: Antibodies that Immunospecifically Bind BLyS
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APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospe
FILE REFERENCE: PF523PCT
CURRENT APPLICATION NUMBER: PCT/US01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
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PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
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CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-25
NUMBER OF SEQ ID NOS: 3239
                                                    SEQ ID NO 1900
LENGTH: 245
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
PCT-US01-19110-1900; Sequence 1900, Application
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1900, Application PC/TUS0119110
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GENERAL INFORMATION:
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PCT-US01-19110-1889; Sequence 1889, Application PC/TUS0119110
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1889, Application PC/TUS0119110
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE:
                             ORGANISM:
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1889
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 Homo sapiens '20_22_24' (
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GENERAL INFORMATION:

APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Im
FILE REFERENCE: PF523PCT
CURRENT APPLICATION NUMBER: PCT/US01/19
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2000-10-17
PRIOR FILING DATE: 2001-03-16
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CURRENT APPLICATION NUMBER: PCT/US01/19
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
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PCT-US01-19110-1902;
(from "/srch/paa/PCT
Sequence 1902, Applic
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APPLICANT: Human Genome
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LENGTH: 241
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(from "/srch/paa/PC
Sequence 1901, Appli
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 APPLICATION NUMBER:
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230
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157
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cation PC/TUS0119110
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            UMBER: 60/276,248
2001-03-16
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Antibodies that Immunospecifically
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2001-06-15
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60/277,379
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TITLE OF INVENTION: Antibodies that Immunospe File Reference: pf523pCT
CURRENT APPLICATION NUMBER: pCT/US01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
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l match found in sequence:
PCT-US01-19110-1922; Sequence 1922, App.
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1922, Application PC/TUS0119110
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PCT-US01-19110-1920; Sequence 1920, Application
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1920, Application PC/TUS0119110
GENERAL INFORMATION:
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TYPE: PRT
ORGANISM: Homo sapiens
Found using '20_22_24' (;
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PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1902
LENGTH: 245
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235
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162
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                                                           Application PC/TUS0119110
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TITLE OF INVENTION: ALLLEGATION APPLICATION NUMBER: PCT/US01/19: CURRENT APPLICATION NUMBER: PCT/US01/19: CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
PCT-US01-19110-1935; Sequence 1935, Application PC/TUS0119110
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1935, Application PC/TUS0119110
GENERAL INFORMATION:
                                                                         SOFTWARE: PatentIn
SEQ ID NO 1935
LENGTH: 243
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Found using '20_22_2
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APPLICANT: Human Ge
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   Found using
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                            ORGANISM:
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O ID NO 1922
LENGTH: 239
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Homo sapiens '20_22_24' (
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: Antibodies that Immunospecifically Bind BLyS
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: Antibodies that Immunospecifically Bind BLyS
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IWGKGTLVTVSSGGGGGGGGGGGGGGGDIQMTQSPSTLSASIGDRVTITCRASEGIYHWL 159

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CURRENT APPLICATION NUMBER: PCT/US01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
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CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
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PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-21
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PCT-US01-19110-1945; Sequence 1945, Application PC/TUS0119110
(from "/srch/paa/PCTUS_COMB.pep")
Sequence 1945, Application PC/TUS0119110
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1948, Appli GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:

PCT-US01-19110-1948; Sequence 1948, Application PC/TUS0119110

(from "/srch/paa/PCTUS_COMB.pep")

Sequence 1948, Application PC/TUS0119110
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SEQ ID NO 1945
LENGTH: 243
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PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Human Genome Sciences, Inc. TITLE OF INVENTION: Antibodies that ImFILE REFERENCE: PF523PCT
                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Antibodies FILE REFERENCE: PF523PCT
                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            YPLTFGGGTKLEIKR
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NOS:
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N: Antibodies that Immunospecifically Bind BLys
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CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver
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                                                     match found in sequence:

PCT-US01-19110-2063; Sequence 2063, Application PC/TUS0119110

(from "/srch/paa/PCTUS_COMB.pep")

Sequence 2063, Application PC/TUS0119110

GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          pcT-US01-19110-2062; Sequence 2062, Application PC/TUS0119110
  (from "/srch/paa/PCTUS_COMB.pep")
  Sequence 2062, Application PC/TUS0119110
  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sap
Found using '20_22_2
                APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Human Ge
FILE REFERENCE: PF523PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sap
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235
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1948
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246
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24′ (:
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14' (:
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PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
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SEQ ID NO 2063
LENGTH: 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Umatch found in sequence:
US-08-652-816-2; Sequence 2, Application US/08652816
  (from "/srch/paa/US086_COMB.pep")
Sequence 2, Application US/08652816
  GENERAL INFORMATION:
    APPLICANT: Osbourn, JK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: PCT/US01/19110 CURRENT FILING DATE: 2001-06-15
                                                                SOFTWARE: Patentin Release #1.0, V.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/652,816
FILING DATE: 23-MAY-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9125579.4
FILING DATE: 02-DEC-1991
PRIOR APPLICATION NUMBER: GB 9125579.8
APPLICATION NUMBER: GB 9125579.8
FILING DATE: 02-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9206318.9
FILING DATE: 24-MAR-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Osbourn, JK
APPLICANT: Allen, DJ
APPLICANT: McCafferty, JG
TITLE OF INVENTION: Specific binding members, materials
TITLE OF INVENTION: methods.
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
  PRIOR APPLICATION NUMPER: GB 9206318.9

APPLICATION NUMPER
FILING TO
                                                                                                                                                                                                                                                                                                                                                                     STATE: Illinois
COUNTRY: United States of America
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Datenty Boleson #1 0
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232
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159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            E: Marshall, O'Toole, 6300 Sears Tower, 233
MBER: GB 9206372.6
23-SEP-1992
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                                                                                                                                                                                                                                                                                                          US/08/652,816
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South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                          Version #1.25
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PRIOR APPLICATION NUMBER: PCT/GB92/UFILING DATE: 02-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/244,
FILING DATE: 01-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: David W. Clough
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 2811
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
TENGTH: 108 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (from "/srch/paa/US088_COMB.pep")
Sequence 25, Application US/08850058
Sequence 25, Application US/08850058
GENERAL INFORMATION:
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                                                                                                TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: WinPatin (Genent CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
FILING DATE: 02-May-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FO
MEDIUM TYPE: 3.5
COMPUTER: IBM PC
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
                                                                                                                                                                                                                                  TELECOMMUNICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTIO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
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                                                                                                                                                            REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P10
ELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 1 DNA Way
CITY: South San F.
STATE: California
                                                                                                                                                                                                                                                                                                                                              NAME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RFSGSGSGTDFTLTISSLQPDDFATYYCQQYSNYPLTFGGGTKLEIKR
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CARTE
MERCH
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22_24′
Acid
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02-DEC-1992
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01-JUN-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           E FORM:
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PC-DOS/MS-DOS
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IANT, A.M.

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Found

720_22_247

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1 match found in sequence:
US-08-918-148-76; Sequence 76, Application US/08918148A
(from "/srch/paa/US089_COMB.pep")
Sequence 76, Application US/08918148A
GENERAL INFORMATION:
APPLICANT: Adams, Camellia
APPLICANT: W.
APPLICANT: Carter, Paul J.
APPLICANT: Fendly, Brian M.
APPLICANT: Gurney, Austin L.
TITLE OF INVENTION: Agonist Antibodies
        109
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APPLICANT: Gurney, Austin L.
TITLE OF INVENTION: Agonist Antib
FILE REFERENCE: P0979
CURRENT APPLICATION NUMBER: US/08
CURRENT FILING DATE: 1997-08-25
NUMBER OF SEQ ID NOS: 79
                                                                                                                     Found using
                                                                                                                                                                                                              SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
US-08-918-148-75; Sequence 75, Application US/08918148A
(from "/srch/paa/US089_COMB.pep")
Sequence 75, Application US/08918148A
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: artificial Found using '20_22_24'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ
SEQ ID NO 75
LENGTH: 245
                                                                                                                                                                                   FILE REFERENCE: P0979
CURRENT APPLICATION NUMBER: US/08/918,148A
CURRENT FILING DATE: 1997-08-25
NUMBER OF SEQ ID NOS: 79
SEQ ID NO 76
LENGTH: 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Adams, Camellia APPLICANT: W.
                                                                                                                 ORGANISM: artificial und using '20_22_24'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
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VWGRGTMVTVSSGGGGGGGGGGGGGGDIQMTQSPSTLSASIGDRVTITCRASEGIYHWL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    YPLTFGGGTKLEVKRAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AWYQQKPGKAPKLLIYKASSLASGAPSRFSGSGSGADFTLTISSLQPDDFATYYCQQYSN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IWGQGTMVTVSSGGGGSGGGGGGGGGDIVMTQSPSTLSASVGDRVAITCRASEGIYHWL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Austin L.
Agonist Antibodies
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                                                                                                                  (spector091p.key)
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228
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                                                                                                                                                                                                                                          US-08-918-148-78; Sequence 78, Application US/08918148A (from "/srch/paa/US089_COMB.pep")
Sequence 78, Application US/08918148A
GENERAL INFORMATION:
APPLICANT: Adams, Camellia
APPLICANT: W.
APPLICANT: Fendly, Brian M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO LENGTH:
                                                                                                                                                               APPLICANT: Gurney, A TITLE OF INVENTION: FILE REFERENCE: P097 CURRENT APPLICATION CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Gurney, A TITLE OF INVENTION: FILE REFERENCE: P097 CURRENT APPLICATION CURRENT FILING DATE:
                                                                                                                SEQ ID NO 78
LENGTH: 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: artifici Found using '20_22_2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
US-08-918-148-77; Sequence 77, Application US/08918148A
(from "/srch/paa/US089_COMB.pep")
Sequence 77, Application US/08918148A
Sequence 77, Application US/08918148A
GENERAL INFORMATION:
APPLICANT: Adams, Camellia
APPLICANT: W.
FEATURE:
NAME/KEY: unknown
LOCATION: 208
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
                                                                                                                                                NUMBER OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF
                                                                             TYPE: PRT ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                         YPLTFGGGTELEI
231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AWYQQKPGKAPKLLIYKASSLASGAPSRFSGSGSGTDFTLTISSLQPDDFATYYCQQYSN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IWGQGTMVTVSSGGGGTGGGGGGGGGGGDIQMTQSPSTLSASIGDRVTITCRASEGIYHWL
158
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT
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OF SEQ ID NOS: 79
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78
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                                                                                                                                               DATE: 1997-08-25
 1: unknown amino acid
_24' (spector091p.key)
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: Agonist Antibodies
)79
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Brian M.
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                                                                                                                                                                               NUMBER:
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109
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Sequence 25, Application US/09070166
Sequence 25, Application US/09070166
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/No /~

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                                                                                              . match found in sequence:
US-09-070-416-25; Sequence 25, Application US/09070416
(from "/srch/paa/US090_COMB.pep")
Sequence 25, Application US/09070416
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                    Found using
                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P109
TELECOMMUNICATION INFORMATION:
, TELEPHONE: 650/225-2066
                                            APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: ARATHOON, R.
APPLICANT: CARTER, P.J.
APPLICANT: MERCHANT, A.M.
APPLICANT: PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
TITLE OF INVENTION: HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
                              APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: Californía
                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VWGRGTLVTVSSGGGGGGGGGGGGGKIQMTQSPSTLSASIGDRVTITCRASEGIYHWL
                                                                                                                                                                                                                          RFSGSGSGTDFTLTISSLQPDDFATYYCQQYSNYPLTFGGGTKLEIK
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                                                                                                                                                                                                                                                                                                               DIQMTQSPSTLSASIGDRVTITCRASEGIYHWLAWYQQKPGKAPKLLIYKASSLASGAPS
                                                                                                                                                                                                                                                                                                                                                                 3Y: Linear
'20_22_24' (spector091p.key)
                                                                                                                                                                                                                                                                                                                                                                                                      : 107 amino acids
Amino Acid
                           CARTER, P. MERCHANT, PRESTA, L.
                                                                                ARATHOON,
.J.
A.M.
E.G.
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61
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
US-09-092-520-2; Sequence 2, Application US/09092520
(from "/srch/paa/US090_COMB.pep")
Sequence 2, Application US/09092520
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: Linear Found using '20_22_24'
                                                                                                                                        OPERATING SYSTEM: PC-DO SOFTWARE: Patentin ReleacURRENT APPLICATION DATA:
APPLICATION NUMBER: US/CELASSIFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/M SOFTWARE: WinPatin (Genent CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/FILING DATE: 30-Apr-1998 CLASSIFICATION: 424 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: ....
TITLE OF INVENTION: carcinoembryonic antigonation: carcinoembryonic antigonat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCE
                            CLASSIFICATION: 432
CLASSIFICATION: 1/02, G0:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/0
FILING DATE: 09-DEC-1996
                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE MEDIUM TYPE: F1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS
PRIOR APPLICATION
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CITY: (
STATE:
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STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP:
                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RFSGSGSGTDFTLTISSLQPDDFATYYCQQYSNYPLTFGGGTKLEIK
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: Illinois
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650/952-9881
FOR SEQ ID NO: 2
HARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Osbourn, Jane ..
Allen, Deborah J
McCaferty, John
VENTION: Specific binding members for human
vention: carcinoembryonic antigen, materials
                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       USA
                                                                                                                                                                                     E FORM:
Floppy disk
A PC compatible
TEM: PC-DOS/MS-DOS
TEM: PC-DOS/MS-DOS
TA:
TO Release #1.0, 1
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C compatible
f: PC-DOS/MS-DOS
tin (Genentech)
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INFORMATION:
DATA:
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                                                                                                                  1/02, G01N 33/58, 33/68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (spector091p.key)
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                                                          PCT/GB96/03043
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                                                                                                                                                                                                                                                                                 Version #1.25 (EPO)
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PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9525004.9

FILING DATE: 07-DEC-1995

ATTORNEY/AGENT INFORMATION:

NAME: David W Clough

REGISTRATION NUMBER: 36,107

REFERENCE/DOCKET NUMBER: 28111/346:

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEPHONE: (312) 474-0448

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 108 amino acids
                                                                                                                                                                                                                                       61
. match found in sequence:
US-09-445-576-32; Sequence 32, Application US/09445576
(from "/srch/paa/US094_COMB.pep")
Sequence 32, Application US/09445576
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
OTHER INFORMATION: Recombinant
Found using '20_22_24' (spector0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
US-09-373-403-25; Sequence 25, Application US/09373403
(from "/srch/paa/US093_COMB.pep")
Sequence 25, Application US/09373403
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "TOPOLOGY: linear
Found using '20_22_24' (spector091p.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: ARATHOON, W. R.
APPLICANT: CARTER, P.J.
APPLICANT: MERCHANT, A.M.
APPLICANT: MERCHANT, A.M.
APPLICANT: PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
FILE REFERENCE: P1099C1 a
CURRENT APPLICATION NUMBER: US/09/373,403
CURRENT FILING DATE: 1999-08-12
PRIOR APPLICATION NUMBER: US 08/850,058
PRIOR FILING DATE: 1997-05-02
NUMBER OF SEQ ID NOS: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 26
EQ ID NO 25
LENGTH: 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial sequence
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FILING DATE: 23-MAY-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/652,816
FILING DATE: 23-MAY-1996
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                                                                                                                                                                                                                                                                                                                                      DIQMTQSPSTLSASIGDRVTITCRASEGIYHWLAWYQQKPGKAPKLLIYKASSLASGAPS
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amino acid
GY: linear
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FILE REFERENCE: THOGERSEN =1
CURRENT APPLICATION NUMBER: US/09/445,576
CURRENT FILING DATE: 2000-07-17
PRIOR APPLICATION NUMBER: PCT/DK98/00245
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: DK 0685/97
PRIOR FILING DATE: 1997-06-11
NUMBER OF SEQ ID NOS: 60
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
US-09-445-576-33; Sequence 33, Application US/09445576
  (from "/srch/paa/US094_COMB.pep")
  Sequence 33, Application US/09445576
  GENERAL INFORMATION:
   APPLICANT: Thogersen, Hans Christian
  APPLICANT: Etzerodt, Michael
  APPLICANT: Holtet, Thor Las
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                                                                                                      SOFTWARE: Pat
SEQ ID NO 33
LENGTH: 331
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LENGTH: 330
TYPE: PRT
            Found using
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FEATURE:
OTHER INFORMATION: I
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CURRENT FILING DATE: 2000-07-17
PRIOR APPLICATION NUMBER: PCT/DK98/00245
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: DK 0685/97
PRIOR FILING DATE: 1997-06-11
NUMBER OF SEQ ID NOS: 60
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                                                                 ORGANISM: Artificia
                                                                                       TYPE: PRT
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178
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                                                                                                                                               PatentIn
                                                                                                                                                                                                                                                                                                                                                       Etzerodt, we Holtet, The Graversen, Kastrup, Je Nielsen, Be
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Etzerodt, Michael
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         Description of Artificial Sequence:H6FXTRIPB-scFv(CEA6)
4' (spector091p.key)
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, Bettina Bryde
Ingrid Kjoller
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Ingrid Kjoller
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Jette Sandholm
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368	308	248	188	128	ORG FEA OTH Found	PRIOR PRIOR PRIOR PRIOR NUMBER SOFTWA SEQ ID LENGT	APPLIC APPLIC TITLE FILE CURREL CURREL	APPLICA APPLICA APPLICA APPLICA APPLICA	3 matches US-09-44 (from Sequence	301	241	181
RQAPGQGLEWMGSIIPSFGTANYAQKFQGRLTITADESTSTAYMELSSLRSEDTAVYYCA	SRLDTLAQEVALLKEQQALQTGSQVQLQQSGAEVKKPGSSVKVSCKASGGTFSNSPINWL	 YPLTFGGGTKLEIKRAAAEQKLISEEDLNGAGTEPPTQKPKKIVNAKKDVVNTKMFEELK 251	AWYQQKPGKAPKLLIYKASSLASGAPSRFSGSGSGTDFTLTISSLQPDDFATYYCQQ	 	GANISM: Artificial Sequence GANISM: Artificial Sequence ATURE: HER INFORMATION: Description of Artificial Sequence:H6FXscFv(CEA6)tripbscFv(CEA6) d using '20_22_24' (spector091p.key)	PRIOR APPLICATION NUMBER: PCT/DK98/00245 PRIOR FILING DATE: 1998-06-11 PRIOR APPLICATION NUMBER: DK 0685/97 PRIOR FILING DATE: 1997-06-11 NUMBER OF SEQ ID NOS: 60 SOFTWARE: Patentin Ver. 2.0 EQ ID NO 34 LENGTH: 592	CANT: Nielsen, Bettind Bryde CANT: Larsen, Ingrid Kjoller OF INVENTION: Trimerising mo REFERENCE: THOGERSEN =1 NT APPLICATION NUMBER: US/09/ NT FILING DATE: 2000-07-17	ANT: Thogersen, Hans ANT: Etzerodt, Micha ANT: Holtet, Thor La ANT: Graversen, Niel ANT: Kastrup, Jette	ches found in sequence: 9-445-576-34; Sequence 34, Application US/09445576 om "/srch/paa/US094_COMB.pep") ence 34, Application US/09445576	 YPLTFGGGTKLEIKRAAAEQKLISEEDLNGA 304	AWYQQKPGKAPKLLIYKASSLASGAPSRFSGSGSGTDFTLTISSLQPDDFATYYCQQYSN	VWGQGTMVTVSSGGGGGGGGGGGGGGDIQMTQSPSTLSASIGDRVTITCRASEGIYHWL
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS FILE REFERENCE: PF523	1 match found in sequence: US-09-880-748-922; Sequence 922, Application US/09880748 (from "/srch/paa/US09_NEW_COMB.pep") Sequence 922, Application US/09880748 GENERAL INFORMATION:	235 YPLTFGGGTKLEIKR 238	SEGIYHW 5 YYCQQYS	TYPE: PRT ORGANISM: Homo sapiens Found using '20_22_24' (spector091p.key)	PRIOR FILING DATE: 2001-03-21 PRIOR APPLICATION NUMBER: 60/293,499 PRIOR FILING DATE: 2001-05-25 NUMBER OF SEQ ID NOS: 3239 SOFTWARE: Patentin Ver. 2.0 SEO ID NO 918	CURRENT FILING DATE: 2001-06-15 PRIOR APPLICATION NUMBER: 60/212,210 PRIOR FILING DATE: 2000-06-15 PRIOR APPLICATION NUMBER: 60/240,816 PRIOR FILING DATE: 2000-10-17 PRIOR APPLICATION NUMBER: 60/276,248 PRIOR FILING DATE: 2001-03-16 PRIOR APPLICATION NUMBER: 60/277,379	Sequence 918, Application US/09880748 GENERAL INFORMATION: APPLICANT: Ruben et al. TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS FILE REFERENCE: PF523 FILE REFERENCE: PF523	565 1 match found in sequence: US-09-880-748-918; Sequence 918, Application US/09880748 (from "/srch/paa/US09_NEW_COMB.pep")			428 GRSHNYELYYYMDVWGQGTMVTVSSGGGGSGGGGGGGGGDIQMTQSPSTLSASIGDRV	

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CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
175
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SEQ ID NO 9
LENGTH: 2
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US-09-880-748-926; Sequence 926, Application US/09880748
  (from "/srch/paa/US09_NEW_COMB.pep")
Sequence 926, Application US/09880748
GENERAL INFORMATION:
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LENGTH: 251
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SOFTWARE: Pate
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                                                                     VWGQGTLVTVSSGGGGSGGGGGGGSDIQMTQSPSTLSASIGDRVTITCRASEGIYHWL
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AWYQQKPGKAPKLLIYKASSLASGAPSRFSGSGSGTDFTLTISSLQPDDFATYYCQQYSN
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APPLICANT: NUMBER: US/09/880,748
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR APPLICATION NUPRIOR FILING DATE: 2
PRIOR APPLICATION NUPRIOR FILING DATE: 2
PRIOR FILING DATE: 2
PRIOR FILING DATE: 1
NUMBER OF SEQ ID NOS SOFTWARE: Patentin 1
SEQ ID NO 969
LENGTH: 247
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    US-09-880-748-932; Sequence 932, Application US/09880748
    (from "/srch/paa/US09_NEW_COMB.pep")
    sequence 932, Application US/09880748
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SOFTWARE: Pate
SEQ ID NO 932
SEQTH: 250
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US-09-880-748-969; Sequence 969, Application US/09880748
(from "/srch/paa/US09_NEW_COMB.pep")
Sequence 969, Application US/09880748
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                                                                                                                                                                                        PRIOR FILING DATE: PRIOR APPLICATION I PRIOR FILING DATE:
                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
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PRIOR FILING DATE:
NUMBER OF SEQ ID N
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239
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238
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                                                       ON NUMBER: 60/276,248
IE: 2001-03-16
ON NUMBER: 60/277,379
IE: 2001-03-21
ON NUMBER: 60/293,499
IE: 2001-05-25
O NOS: 3239
                                                                                                                                                                                                                                                                                                      ION: Antibodies that Immunospecifically PF523
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E: 2001-05-25
NOS: 3239
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NUMBER: 60/277,379
: 2001-03-21
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2000-10-17
NUMBER: 60/276,248
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2000-10-17
                                                                                                                                                                                                                              NUMBER: 60/212,210
2000-06-15
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US-U9-880-748-1008; Sequence 1008, Application US/09880748

(from "/srch/paa/US09_NEW_COMB.pep")

Sequence 1008, Application US/09880748

GENERAL IMFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523

CURRENT APPLICATION NUMBER: US/09/880,748

CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR APPLICATION NUMBER: 60/2140,816
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1008
LERGTH: 248
TYPE: DPT
1 match found in sequence:
    US-09-880-748-1177; Sequence 1177, Applicati
    (from "/srch/paa/US09_NEW_COMB.pep")
    Sequence 1177, Application US/09880748
    GENERAL INFORMATION:
    APPLICANT: Ruben et al.
    TITLE OF INVENTION: Antibodies that Immunos;
    FILE REFERENCE: pF523
    CURRENT APPLICATION NUMBER: US/09/880,748
    CURRENT FILING DATE: 2001-06-15
    PRIOR APPLICATION NUMBER: 60/212,210
    PRIOR FILING DATE: 2000-06-15
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163
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236
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164
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237
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                                                                                                                                          that Immunospecifically Bind BLyS
                                                                                                                                                                                                                                                                           Application
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APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospielle Reference: pf523

CURRENT APPLICATION NUMBER: US/09/880,748

CURRENT FILING DATE: 2001-06-15

PRIOR APPLICATION NUMBER: 60/212,210

PRIOR APPLICATION NUMBER: 60/240,816

PRIOR APPLICATION NUMBER: 60/240,816

PRIOR APPLICATION NUMBER: 60/276,248

PRIOR APPLICATION NUMBER: 60/276,248

PRIOR APPLICATION NUMBER: 60/277,379

PRIOR APPLICATION NUMBER: 60/277,379

PRIOR FILING DATE: 2001-03-21

PRIOR FILING DATE: 2001-03-21
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SEQ ID NO 1177
LENGTH: 247
                                                                              175
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Found using '20_22_2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
US-09-880-748-1188; Sequence 1188, Application US/09880748
(from "/srch/paa/US09_NEW_COMB.pep")
Sequence 1188, Application US/09880748
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SEQ ID NO 1188
LENGTH: 249
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                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION
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OR FILING DATE: 2000-10-17
OR FILING DATE: 2001-03-16
OR APPLICATION NUMBER: 60/277,379
OR APPLICATION NUMBER: 60/277,379
OR FILING DATE: 2001-03-21
OR FILING DATE: 2001-03-21
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FILING DATE: 2001-05-25
R OF SEQ ID NOS: 3239
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236
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163
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165
                                                                          AWYQQKPGKAPKLLIYKASSLASGAPSRFSGSGSGTDFTLTISSLQPDDFATYYCQQYSN
YPLTEGGGTKLEIKR
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E: 2001-05-25
NOS: 3239
In Ver. 2.0
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APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523

CURRENT APPLICATION NUMBER: US/09/880,748

CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3230
CONTRACTOR OF SEQ ID NOS: 3230
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CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
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US-09-880-748-1320; Sequence 1320, Application US/09880748
  (from "/srch/paa/US09_NEW_COMB.pep")
  Sequence 1320, Application US/09880748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
US-09-880-748-1421; Sequence 1421, Application US/09880748
  (from "/srch/paa/US09_NEW_COMB.pep")
Sequence 1421, Application US/09880748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    237
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APPLICANT: Ruben et
TITLE OF INVENTION:
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LENGTH: 251
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                                                                                                                                      SOFTWARE:
                            ORGANISM:
                                                                                 LENGTH:
                                                                          OFTWARE: Patentin 1
2 ID NO 1421
LENGTH: 248
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 '20_22_24' (
                                                                                                                                           Ver.
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(spector091p.key)
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1 match found in sequence:
    US-09-880-748-1700; Sequence 1700, Application US/09880748
    (from "/srch/paa/US09_NEW_COMB.pep")
    Sequence 1700, Application US/09880748
    GENERAL INFORMATION:
    Application US/09880748
    GENERAL INFORMATION:
    Application US/09880748
    CURRENT: Ruben et al.
    TITLE OF INVENTION: Antibodies that Immunospecifically Bind BI FILE REFERENCE: pF523
    CURRENT APPLICATION NUMBER: US/09/880,748
    CURRENT APPLICATION NUMBER: 60/212,210
    PRIOR APPLICATION NUMBER: 60/212,210
    PRIOR APPLICATION NUMBER: 60/210,816
    PRIOR APPLICATION NUMBER: 60/240,816
    PRIOR APPLICATION NUMBER: 60/276,248
    PRIOR FILING DATE: 2000-10-17
    PRIOR FILING DATE: 2001-03-16
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CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
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SEQ ID NO 1603
LENGTH: 255
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF
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R APPLICATION N
R FILING DATE:
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237
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: 2001-03-21
NUMBER: 60/293,499
: 2001-05-25
NOS: 3239
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                                                                                                                                                                                              : Antibodies that Immunospecifically Bind BLyS 523
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PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunosp
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1771
LENGTH: 248
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Sequence 1771, Application US/09880748
GENERAL INFORMATION:
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                                                                                                                                                     234
match found in sequence:
US-09-880-748-1778 ; Sequence 1778, Application US/09880748
(from "/srch/paa/US09_NEW_COMB.pep")
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237
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237
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114
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       105
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SEQ ID NO 1778
LENGTH: 248
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Found using
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CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
                                                                                             NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn Ver.
SEQ ID NO 1882
LENGTH: 239
                                                                                                                                                                                                                                                                                                                                                  match found in sequence: US-09-880-748-1882; Sequ
                                                                                                                                          PRIOR APPLICATION N
PRIOR FILING DATE:
PRIOR APPLICATION N
PRIOR FILING DATE:
                                                              Found using
                                                        TYPE: PK1
ORGANISM: Homo sap
                                                                                                                                                                                                                                                                                                                            S-09-880-748-1882; Sequence 1882, Application US/09880748 (from "/srch/paa/US09_NEW_COMB.pep") equence 1882, Application US/09880748
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237
YWGRGTLVTVSSGGGGSGGGGGGGGGGGDIQMTQSPSTLSASIGDRVTITCRASEGIYHWL
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TE: 2001-06-15
NUMBER: 60/212,210
: 2000-06-15
NUMBER: 60/240,816
: 2000-10-17
                                                                                                                                NUMBER: 60/293,499
: 2001-05-25
VOS: 3239
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_24' (
                                                                                                                                                                NUMBER: 60/277,379
2001-03-21
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1 match found in sequence:
US-09-880-748-1889; Sequence 1889, Application US/09880748
(from "/srch/paa/US09_NEW_COMB.pep")
Sequence 1889, Application US/09880748
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BI FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT APPLICATION NUMBER: 60/212,210
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-05-25
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CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
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APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies
FILE REFERENCE: PF523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
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IS-09-880-748-1883; Sequence 1883, Application US/09880748
(from "/srch/paa/US09_NEW_COMB.pep")
Sequence 1883, Application US/09880748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM:
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232
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CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
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           GENERAL INFORMATION:
APPLICANT: Ruben of
                                                       match found in sequence:
US-09-880-748-1901; Sequence:
(from "/srch/paa/US09_NE')
Sequence 1901, Application
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         227
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SEQ ID NO 1900
LENGTH: 245
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US-09-880-748-1900; Sequence 1900, Application US/09880748
(from "/srch/paa/US09_NEW_COMB.pep")
Sequence 1900, Application US/09880748
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SEQ ID NO 1889
LENGTH: 241
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ORGANISM:
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234
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    INVENTION:
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'20_22_;
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In Ver. 2.0
                                                          Sequence 1901, Application US/09880748 09_NEW_COMB.pep") cation US/09880748
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24' (spector091p.key)
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    Antibodies
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   that
Immunospecifically
Bind BLyS
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FILE OF INVENTION: Antibodies that Immunospelle Reference: pf523
CURRENT APPLICATION NUMBER: U5/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
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PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1901
LENGTH: 241
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US-09-880-748-1902; Sequence 1902, Application US/09880748
  (from "/srch/paa/US09_NEW_COMB.pep")
  Sequence 1902, Application US/09880748
  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Homo sapiens Found using '20_22_24' (
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CURRENT APPLICATION NUMBER: US/09/88(
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REFERENCE: PF523
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157
                                                                               LWGQGTLVTVSSGGGGGGGGGGGGGGDIQMTQSPSTLSASIGDRVTITCRASEGIYHWL
AWYQQKPGKAPKLLIYKASSLASGAPSRFSGSGSGTDFTLTISSLQPDDFATYYCQQYSN
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CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
                                                                            TITLE OF INVENTION: Antibodies that ImFILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,7
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
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US-09-880-748-1920
                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
    US-09-880-748-1922; Sequence 1922, Application US/09880748
    (from "/srch/paa/US09_NEW_COMB.pep")
    Sequence 1922, Application US/09880748
    GENERAL INFORMATION:
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Sequence 1920, Application US/09880748
GENERAL INFORMATION:
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FILE REFERENCE: PF523
CURRENT APPLICATION NI
CURRENT FILING DATE:
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SOFTWARE: PatentIn Ver.
SEQ ID NO 1920
LENGTH: 246
                    SOFTWARE:
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                                                            NUMBER OF SEQ
                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Ruben et
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235
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1922
239
                                      PatentIn
                                                                 ID NOS
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_22_24′ (;
                                                             UMBER: 60/2
2001-05-25
S: 3239
                                          Ver.
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                                                                                                                                                                                                                                                                                                                                                                        Antibodies that Immunospecifically Bind BLyS
                                                                                                                                                                                                                                                                                      US/09/880,7
2001-06-15
BER: 6
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1 match found in sequence:
US-09-880-748-1945; Sequence 1945, Applicati
(from "/srch/paa/US09_NEW_COMB.pep")
Sequence 1945, Application US/09880748
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunosperite Reference: pf523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
NUMBER OF SEQ ID NOS: 3239
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US-09-880-748-1935; Sequence 1935, Application
  (from "/srch/paa/US09_NEW_COMB.pep")
Sequence 1935, Application US/09880748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        105
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PRIOR APPLICATION NUMBER: 60/212,210
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523
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LENGTH: 243
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155
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                                                                                                                                                                                                                          Application US/09880748
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CURRENT APPLICATION NUMBER: US/09/880,7 CURRENT FILING DATE: 2001-06-15 PRIOR APPLICATION NUMBER: 60/212,210 PRIOR FILING DATE: 2000-06-15 PRIOR APPLICATION NUMBER: 60/240,816 PRIOR FILING DATE: 2000-10-17 PRIOR APPLICATION NUMBER: 60/276,248 PRIOR APPLICATION NUMBER: 60/277,379 PRIOR APPLICATION NUMBER: 60/277,379 PRIOR APPLICATION NUMBER: 60/277,379 PRIOR FILING DATE: 2001-03-21 PRIOR APPLICATION NUMBER: 60/293,499 PRIOR FILING DATE: 2001-05-25 NUMBER OF SEQ ID NOS: 3239
                 227
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US-09-880-748-1948; Sequence 1948, Application US/09880748
(from "/srch/paa/US09_NEW_COMB.pep")
Sequence 1948, Application US/09880748
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PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
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SEQ ID NO 1
LENGTH: 2
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SEQ ID NO 1945
LENGTH: 243
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GENERAL INFORMATION:
APPLICANT: Ruben et
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YPLTEGGGTKLET
230
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157
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232
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159
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APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunosp
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2062
                                                                                                                                                APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bir
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SEQ ID NO 2063
LENGTH: 243
TYPE: PRT
ORGANISM: Homo sand
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US-09-880-748-2062; Sequence 2062, App
(from "/srch/paa/US09_NEW_COMB.pep")
Sequence 2062, Application US/09880748
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
US-09-880-748-2063; Sequence 2063, Application US/09880748
(from "/srch/paa/US09_NEW_COMB.pep")
Sequence 2063, Application US/09880748
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Homo sapiens
Found using '20_22_24' (:
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   (spector091p.key)
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TYPE: Amino Acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ In Found using '20_22_24' (second)
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                                                                    61
                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/070,166
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.

REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1099R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEPHONE: 650/952-9881
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCIAL CORRESPONDENCIAL ADDRESSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech) CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MERCHANT, A.M.
PRESTA, L.G.
TITLE OF INVENTION: METHO
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232
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                                                                    RESGSGSGTDET
                                                                                                                                          DIQMTQSPSTLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/09/863,693 FILING DATE: 23-May-2001 CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Genentech,
STREET: 1 DNA Way
CITY: South San Franci
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCES: 26
DENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ARATHOON, R. CARTER, P.J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IKR
                                                                    LTISSLQPDDFATYYCQQYSNYPLTFGGGTKLEIK
                                                                                                                                                                                             CRIPTION: SEQ ID NO: 25: 24' (spector091p.key)
                                                                                                                                            ASIGDRYTITCRASEGIYHWLAWYQQKPGKAPKLLIYKASSLASGAPS
Search
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Francisco
Statistics
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Times:

CPU

Total Elapsed

Number of Number of Number of	
<pre>sequences searched: sequence hits: separate matches: sequence hits saved:</pre>	00:21:59.04
2975556 68 70 0	00:59:29.00

68	

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1 RASEGIYHWLAX{}KASSLASX{}QQYSNYPLT

September 4,

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!!SEQUENCE_LIST 1.0
! FINDPATTERNS on Swiss-Prot:* allowing 0 mismatches
1 RASEGIYHWLAX{}KASSLASX{}QQYSNYPLT
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September 5,

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!!SEQUENCE_LIST 1.0
! FINDPATTERNS on EST: * allowing 0 mismatches

1 AGCCATAACATGAACN{}TCCATTAGTAGTAGTAGTAGTTACATATACTACGCAGACTCAGTGAAGGGCCGATTCAG

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^{!!}SEQUENCE_LIST 1.0
! FINDPATTERNS on GenEMBL:* allowing 0 mismatches

¹ AGCCATAACATGAACN{}TCCATTAGTAGTAGTAGTTAGTTACATATACTACGCAGACTCAGTGAAGGGCCGATTCAC

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Format Options:
Nucleic acid code matching
Find non-matching hits only
Report key used
Note position of hit
Display full annotations
Sequence context
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Selected search type is key against sequence data banks or files.

Selected scope is Sequence.

Selected sequence key from "spector091n.key":

36_38_40 (NA) ID 36_38_40 NA preliminary pattern

1 followed by

2 agccataacatgaac
any number of any character
tccattagtagtagtagtagtagtacatatactacgcagactcagtgaagggccgattcaccatctcc
2 any number of any character
2 any number of any character
2 gatcgcgggagtaccggtatggacgtc
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Release
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Number
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                                                                                       Times:
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Time to start comparison
Notify at end of run
                                                                                                                                                                hits found.
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of sequences searched: of sequence hits: of separate matches: of sequence hits saved:
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00:06:48.06
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No
Yes
Yes
Yes
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                                                                                                                                                                                                                                           Batch
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Indirect file
Sequence or key file
List of hits
Hit display
Name and annotations
                                                                        Total Elapsed 00:16:47.00
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! SEQUENCE_LIST 1.0
! FINDPATTERNS on geneseqn:* allowing 0 mismatches

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Format Options:
Nucleic acid code matching
Find non-matching hits only
Report key used
Note position of hit
Display full annotations
Sequence context
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Release
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Selected scope is Sequence.
Selected sequence key from "spector091n.key":
36_38_40 (NA) ID 36_38_40 NA preliminary pattern
followed by
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Time to start comparison
Notify at end of run
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of sequences searched:
of sequence hits:
of separate matches:
of sequence hits saved:
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any number of any character
tccattagtagtagtagttacatatactacgcagactcagtgaagggccgattcaccatctcc
any number of any character
gatcgcgggagtaccggtatggacgtc
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15:11:54.08
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IntelliGenetics

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Selected search type is
Selected scope is Seque
Selected sequence key i
37_39_41 (AA) ID 3:
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Release
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Display full annotations
Sequence context
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match found in sequence:
aay06717; Antibody 12B5 si
(from "37_39_41ags.pep")
TOIG of: aay06717 check:
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Notify
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                                                                                                                  Agonist antibody; thrombopoietin receptor; TPO-R; thrombopoietin; DIC; megakaryocyte; platelet; immunological; hematopoietic; thrombocytopenia; bone marrow hypoplasia; disseminated intravascular coagulation; anemia; myelodysplasia; myelotoxic chemotherapy; leukaemia; tumour;, MuSK; CDR; neuromuscular; muscular dystrophy; complementarity determining region.
                                                                                                                                                                                                17-JUN-1999
                                                                                                                                                                                                                 AAY06717;
                                                                       Key
Misc-difference
                                                                                                    Homo
                                                                                                                                                                              Antibody 1285
                                                                                                                                                                                                                                    AAY06717
                                            WO9910494-A2
                           04-MAR-1999.
         21-AUG-1998;
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         98WO-US17364.
                                                                        Location/Qualifiers 208
                                                                                                                                                                                                                                  Protein;
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AAY06717 Lo
Found using
                                                                                                        megakaryocytes. They may also be able to stimulate megakaryocytes to increase platelet production. They can be used for treating increase platelet production. They can be used for treating increase platelet production. They can be used for treating increase platelet production. They can be used for treating increase platelet production. They can be used for treating increase platelet production increase platelet thrombocytopenia. The antibody compounds as well as disorders such as disseminated intravascular coagulation (DIC), immune thrombocytopenia increased increased and non HIV-induced), chronic idiopathic thrombocytopenia, congenital thrombocytopenia, thrombocytopenia and increased in e.g. myelotoxic chemotherapy for treatment of solid tumours or leukaemia, myeloablative chemotherapy for treatment of solid tumours or leukaemia, myeloablative chemotherapy for indiopathic aplastic anemia, congenital thrombocytopenia, and immune thrombocytopenia. The antibodies which bind to the MuSK receptor can be used for improving neuromuscular function in a patient, e.g. in muscular cantibodies have a longer half-life than the natural ligand for the TPO-R. Sequences AAY06713-Y06718 represent single chain Fv (scFv) fragments of cartous antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (TPO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                thrombopoietin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New thrombopoietin receptor agonist antibodies - treating immunological or hematological disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI;
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                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Adams
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Length: 279
1g '37_39_41'
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يا
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                                                                                                                                                                                                                                                                                                                                                                                                                    relates to an agonist antibody (Ab) which binds to a receptor (TPO-R). The antibodies which bind the TPO-R common same way and for the same indications as thrombopoieting stimulate proliferation, differentiation or growth of they may also be able to stimulate megakaryocytes to elet production. They can be used for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ECH INC
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september 10, 200
(spector091p.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Fendly BM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             English.
                    2001 07:34
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                     Type:
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                      Check:
                     1357
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77 17 LKMFPSTWYVSQOTHERSMAQVQLVESGGGLVKPGGSLRLSCAASGFTFSSHNMNWVRQA PGKGLEWVSSIS SSSSY I YYADSVKGRFT I SRDNAKNSLY LQMNSLRAEDTAVY YCARDR

Search Statistics

137

GSTGMDVWGRGT

LVTVSSGGGGSGGGGGGGDIQMTQSPSTLSASIGDRVTITCR

143

Number Number Number Times Number of of of sequences sequence h separate m sequence h matches: hits save Þ searched: 00:00:00.00 saved: Total Elapsed 00:00:00:00.00

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Format Options:
Nucleic acid code matching
Find non-matching hits only
Report key used
Note position of hit
Display full annotations
Sequence context
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Selected scope is Sequence.
Selected sequence key from "spector091p.key":
37_39_41 (AA) ID 37_39_41 AA preliminary pattern
followed by
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of sequences searched:
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of separate matches:
of sequence hits saved:
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any number of any character
isssssyiyyadsvkgrftis
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of run
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1 match found in sequence:
    US-08-918-148-78; Sequence 78, Application US/08918148A
    (from "/srch/paa/US089_COMB.pep")
    Sequence 78, Application US/08918148A
    GENERAL INFORMATION:
    APPLICANT: Adams, Camellia
    APPLICANT: W.
    APPLICANT: Carter, Paul J.
    APPLICANT: Fendly, Brian M.
    APPLICANT: Gurney, Austin L.
    TITLE OF INVENTION: Agonist Antibodies
    FILE REFERENCE: P0979
    CURRENT APPLICATION NUMBER: US/08/918,148A
    CURRENT FILING DATE: 1997-08-25
    NUMBER OF SEQ ID NOS: 79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Format Options:
Nucleic acid code matching
Find non-matching hits onl
Report key used
Note position of hit
Display full annotations
Sequence context
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Release
                                                                                                                                                                          SEQ ID NO 78
LENGTH: 245
TYPE: PRT
ORGANISM: artificial
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Selected search type is key against sequence data banks Selected scope is Sequence.

Selected sequence key from "spector091p.key":

37_39_41 (AA) ID 37_39_41 AA preliminary pattern
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           61
                                                                                                            NAME/KEY: unknown LOCATION: 208
OTHER INFORMATION: unknown amino acid Found using '37_39_41' (spector091p.key)
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Time to
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YYADSVKGRFTISRDNAKNSLYLOMNSLRAEDTAVYYCARDRGSTGMDVWGRGTLVTVSS
                                                        MAQVQLVESGGGLVKPGGSLRLSCAASGFTFSSHNMNWVRQAPGKGLEWVSSISSSSSYI
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Yes
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121 GGGSGGGSKIQMTQSPSTLSASIGDRVTITCR

-- Search Statistics --

Times: CPU Total Elapsed 00:21:48.05

Number of sequences searched: 2979662
Number of sequence hits: Number of sequence hits: 1
Number of sequence hits saved: 0
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!!SEQUENCE_LIST 1.0
! FINDPATTERNS on PIR: * allowing 0 mismatches
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!!SEQUENCE_LIST 1.0
! FINDPATTERNS on Swiss-Prot:* allowing 0 mismatches
! 1 SHNMNX{}ISSSSSYIYYADSVKGRFTISX{}DRGSTGMDV

Septem

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